BY ORDER OF THE
SECRETARY OF THE AIR FORCE

AFMS 2680CO
25 April 1995

DEFENSE METEOROLOGICAL SATELLITE PROGRAM

1. Mission Statement. Defense Meteorological Satellite Program (DMSP) technicians operate and maintain joint service meteorological satellite systems to provide timely global visual and infrared cloud cover and other specialized meteorological data to weather units Air Force-wide for routine weather support and to Air Force Global Weather Central in support of special strategic missions.

2. Authority. The 33 series of Air Force and command directives contain policy and procedural guidance for the Defense Meteorological Satellite Program function. This standard has been developed in accordance with policy and procedures contained in AFI 38-201.

3. Applicability. This AFMS identifies the manpower needed to support DMSP operations at ACC, USAFE, and PACAF bases during peacetime. It does not apply to the Air National Guard or Air Force Reserve. Both a positive and negative mission variance must be developed for all work within the organization that has undergone a cost comparison study. This AFMS does not apply at Nimitz Hill GQ.

4. Core Composition. Not Applicable.

5. Standard Data:

5.1. **Classification.** Type III.

5.2. **Approval Date.** 1 July 1994

5.3. **Man-hour Data Source:**

5.3.1. **Operations.** Minimum Manpower.

5.3.2. **Maintenance.** Operational audit (technical estimate, directed requirement, and historical records techniques).

5.4. **Standard Equations:**

5.4.1. **MARK IIA/III System.** $Y = 398.63 + 1.0X$

5.4.2. **MARK IV System.** $Y = 233.69 + 1.0X$

5.5. **Workload Factor (WLF):**

5.5.1. **Title.** DMSP Hours of Operation.

5.5.2. **Definition.** The monthly number of hours that the DMSP van is manned in support of operations.

5.5.3. **Source.** MAJCOM Instructions.

Supersedes AFMS 2680CO, 25 November 1991
OPR: HQ AFMEA/PLDM (TSgt Mary J. Gaskin)
Certified by: HQ AFMEA/PLD (Lt Col Benjamin N. Chapman)
Pages: 7/Distribution: F

5.6. **Study Team:**

5.6.1. **Functional Representatives.** CMSgt Peters, HQ USAF/LGMM, DSN 227-5642
TSgt Koller, HQ AFC4A/SYA, DSN 576-8551

5.6.2. **AFMEA Representative.** Mr. Glen Craft, HQ AFMEA/AEDA, DSN 487-2479.

6. Application Instructions:

6.1. Complete the Application Worksheet at Attachment 4 to determine the manpower for your location.

6.2. Divide the total computed man-hours (including variances) by the appropriate Man-hour Availability Factor (MAF) to determine fractional manpower.

6.3. Use current rounding rules to determine the whole manpower requirement.

6.4. Refer to the Standard Manpower Table (Attachment 2), for skill and grade distribution of the total manpower requirement.

7. Statement of Conditions. This function has environmental conditions that impact the work center's ability to perform work identified in the WCD. Inclement weather affects both the frequency and per accomplishment times of maintenance tasks which must be performed out-of-doors.

BENJAMIN N. CHAPMAN, Lt Col, USAF
Chief, Plans & Productivity Division

Attachments:
1. Work Center Description
2. Standard Manpower Table
3. Variance
4. Application Worksheet

WORK CENTER DESCRIPTION

DEFENSE METEOROLOGICAL SATELLITE PROGRAM

DIRECT:

1. OPERATIONS:
1.1. COMPILES SATELLITE ACQUISITION SCHEDULE. Coordinates with customer for known data requirement, reviews satellite flight schedule, and compiles satellite acquisition schedule.
1.2. REVIEWS SATELLITE ACQUISITION SCHEDULE.
1.3. ACQUIRES SATELLITE DATA. Performs preflight on equipment, acquires data, monitors equipment, and grids data:
1.3.1. ACQUIRES DATA FROM POLAR ORBITING SATELLITE.
1.3.2. ACQUIRES DATA FROM GEOSTATIONARY SATELLITE.
1.4. PERFORMS PLAYBACK. Reviews data requirement, rewinds tape, sets equipment level, and monitors data processor.
1.5. DISSEMINATES DATA TO CUSTOMER:
1.5.1. DISSEMINATES DATA VIA LASERFAX. Obtains data document, places document into laserfax machine, transmits document, confirms customer receipt of data, removes document from laserfax machine, and destroys/files document.
1.5.2. DISSEMINATES DATA VIA HAND DELIVERY. Obtains data document, travels to customer location, delivers document, and returns to work center.
1.6. MAINTAINS DAILY EVENT LOG. Annotates significant work center activity as it occurs.

2. SCHEDULED MAINTENANCE:
2.1. PERFORMS PREVENTIVE MAINTENANCE (PMI). Obtains and reviews schedule; prepares material, technical data, tools and test equipment. Sets up test equipment, calibrates, cleans, services, inspects, performs operational check, alignment, corrosion control check, lubrication, and chemicals replacement in accordance with applicable technical data. Performs PMI on Mark IIA/III/IV equipment. Cleans work area, returns material, and completes documentation.
2.2. PERFORMS EQUIPMENT MODIFICATION. Notifies appropriate agency; obtains and reviews directive; obtains test equipment, tools, and prepares material. Performs equipment modification, removes, replaces, aligns, adjusts, calibrates, lubricates, and cleans; and accomplishes performance check. Returns material, technical data, tools, test equipment, and completes documentation.

3. UNSCHEDULED MAINTENANCE:
3.1 PERFORMS ON-EQUIPMENT MAINTENANCE. Notifies appropriate agency, gathers tools, test equipment and technical data; troubleshoots, isolates malfunction; obtains part; disassembles, cleans, and replaces defective part; tests and adjusts systems; disassembles test equipment; coordinates equipment restoral; completes documentation; gathers tools, technical data, and test equipment.
3.2 PERFORMS OFF-EQUIPMENT MAINTENANCE. Reviews technical data; determines repair level; obtains tools, test equipment, and prepares work area. Troubleshoots part/Due In From Maintenance (DIFM) asset to isolate malfunction of defective part, obtains part, replaces defective part, aligns part/DIFM asset, and accomplishes performance check. Notifies appropriate agency of completed action, return technical data, tools, test equipment, and materials. Processes Not Repairable This Station (NRTS) item; completes documentation; cleans and turns in DIFM/NRTS asset to supply. Repairs DIFM/NON-DIFM asset and performs NRTS action.

4. EQUIPMENT PARTS ACQUISITION:
4.1. ORDER PARTS. Obtains applicable technical order; researches stock number and other pertinent data; orders part with a listed/nonlisted national stock number (NSN); completes documentation; and submits request.
4.2 SUBMITS DEFICIENCY REPORT. Notifies appropriate agency; prepares justification and submits report. Initiates follow-up action on supply level; and receives/turns in equipment. Submits quality deficiency report (QDR) and material deficiency report (MRD).

5. MAINTENANCE STANDARDIZATION AND EVALUATION PROGRAM (MSEP):
5.1 ASSISTS IN QUALITY CONTROL INSPECTION. Coordinates with and assists the QC inspector performing in technical/special inspection by providing technical assistance and performing tasks, as necessary.
5.2 PERFORMS PERSONNEL EVALUATION. Receives evaluation notice; coordinates with appropriate agency; obtains tools, technical data, test equipment, and materials. Performs the task selected by the quality control inspector. Returns tools, technical data, test equipment, materials, and completes documentation. Performs primary evaluation for newly assigned personnel, follow-on evaluation, and/or special evaluation.

INDIRECT: Indirect work involves those tasks that are not readily identifiable with the work center's specific product or service. The major categories of Standard Indirect work are Supervision, Administration, Meetings, Training, Supply, Equipment Maintenance, and Cleanup. See AFMS 00AA for the Standard Indirect Description.

STANDARD MANPOWER TABLE

WORK CENTER/FAC			**APPLICABILITY MAN-HOUR RANGE**								
Defense Meteorological Satellite Program (DMSP)/2680CO			482.11 - 1446.30								
AIR FORCE SPECIALTY TITLE	**AFSC**	**GRADE**	**MANPOWER REQUIREMENT**								
Space Systems Craftsman	2E471	MSG						1	1		
Space Systems Craftsman	2E471	TSG	1	1	1	1	1	1	1		
Space Systems Journeyman	2E451	SSG	1	2	2	2	2	2	2		
Space Systems Journeyman	2E451	SRA	1	1	2	3	3	3	3		
Space Systems Apprentice	2E431	A1C					1	1	2		
TOTAL			3	4	5	6	7	8	9		
AIR FORCE SPECIALTY TITLE	**AFSC**	**GRADE**	**MANPOWER REQUIREMENT**								
TOTAL											

AF Form 1113, JUN 91 (COMPUTER GENERATED). PREVIOUS EDITION IS OBSOLETE.

VARIANCE

DEFENSE METEOROLOGICAL SATELLITE PROGRAM

1. Title. Positive Mission Variance for Off-base Travel.

1.1. **Definition.** Work center personnel at Osan AB, Korea, must travel to an off-base location to perform Laserfax maintenance.

1.2. **Impact.** Fixed 51.8 Monthly Man-hours.

1.3. **Applicability.** Osan AB, Korea.

APPLICATION WORKSHEET

1. INSTRUCTIONS FOR COMPLETING APPLICATION WORKSHEET.

1.1. Step 1. Determine the hours of operations.

1.1.1. If operating hours are constant (Monday - Sunday), multiply operating hours times 30.44.

1.1.2. If daily operating hours vary, use the following approach:

1.1.2.1. Step 1. Multiply each weekday's (Monday - Friday) hours of operation by 20.91.

1.1.2.2. Step 2. Multiply the hours of operation for Saturday by 4.348.

1.1.2.3. Step 3. Multiply the hours of operation for Sunday by 4.348.

1.1.2.4. Step 4. Multiply the hours of operation for holidays by .833.

1.1.2.5. Step 5. Sum the results of Steps 1 through 4. This gives you total monthly hours of operation.

1.2. Step 2. Substitute the monthly hours of operation for X in the appropriate equation.

1.3. Solve for Y (Core):

1.3.1. MARK IIA/III Y = 398.63 + 1.0X _____

1.3.2. MARK IV Y = 233.69 + 1.0X _____

2. Add approved variance man-hours to the results in 1.3. above to determine the total man-hours.